

Peripheral Products for I²C-bus Interface

GENERAL PURPOSE ICs

LCD Drivers

PCF8566	96-segment LCD driver 1:1 – 1:4 Mux
PCF8568	LCD row driver for dot matrix displays
PCF8569	Column driver for dot matrix displays
PCF8576	160-segment LCD driver 1:1 – 1:4 Mux
PCF8577C	64-segment LCD driver 1:1 – 1:2 Mux
PCF8578/79	Row/column LCD dot-matrix driver; 1:8 – 1:32 Mux

I/O Expanders

PCF8574/A	8-bit remote I/O port (I ² C-bus to parallel converter)
PCD8584	8-bit parallel to I ² C converter
SAA1064	4-digit LED driver
SAA1300	5-bit high-current driver

Data Converters

PCF8591	4-channel, 8-bit Mux ADC + one DAC
TDA8442	Quad 6-bit DAC
TDA8444	Octal 6-bit DAC

Memory

PCF8570/C	256-byte static RAM
PCF8571	128-byte static RAM
PCF8581	128-byte EEPROM
PC.8582	256-byte EEPROM
PCF8583	256-byte RAM/clock/calendar
PCF8594	512-byte EEPROM

Clocks/Calendars

PCF8573	Clock/calendar
PCF8583	Clock/calendar/256-byte RAM

68000-Based CMOS Microcontrollers

68070	68000 CPU/MMU/UART/DMA/timer
93CXXX	UST/I ² C/34k ROM/512 RAM

80C51-Based CMOS Microcontrollers*

8XCL410	4k ROM/128 RAM, low power
8XC528	32k ROM/512 RAM, T2, WD
8XC552	256-byte RAM/8k ROM/ADC/UART/PWM
8XC652	256-byte RAM/8k ROM, UART
8XC654	256-byte RAM/16kROM, UART
8XC751	64-byte RAM/2k ROM
8XC752	64-byte RAM/2k ROM, ADC/PWM

8048 Instruction-Set Based CMOS Microcontrollers

PCF84C00	256-byte RAM/bond-out version for prototype development
PCF84C21	64-byte RAM/2k ROM
PCF84C41	128-byte RAM/2k ROM
PCF84C81	256-byte RAM/8k ROM
PCF84C85	256-byte RAM/8k ROM/ Extended I/O
PCF84C430	128-byte RAM/4k ROM/ 96-segment LCD driver

MULTIMEDIA ICs

Video/Radio/Audio

SAA5243	Enhanced Computer Controlled Teletext (ECCT) decoder
SAA5245	Enhanced Computer Controlled Teletext (USECCT) decoder
SAA7191	S-VHS digital multistandard decoder "square pixel"
SAA7192	Digital color space converter
SAA7199	Digital encoder
SAA9041	Digital video teletext (DVTB) processor
SAA9051	7-Bit digital video decoder
SAB3035/36/37	Digital tuning circuits for computer-controlled TV
SAF1135	Dataline 16 decoder for VCR

TDA1551Q

TDA4670	2 × 22W Audio Power Amp
TDA4680	Picture signal improvement circuit
TDA6360	Video processor
TDA8415/17	5 Band Equalizer
TDA8421	Stereo/dual sound processor
TDA8425	Audio processor with a loudspeaker channel and a headphone channel
TDA8433	Audio processor with a loudspeaker channel only
TDA8440	Deflection processor
TDA8442	Video/audio switch
TDA8443/A	Interface for color decoders
TDA8461	YUV/RGB matrix switch
TDA8466	PAL/NTSC color decoder and RGB processor
TDA9150	PAL/NTSC color decoder and RGB processor
TEA6100	Deflection processor
TEA6300	FM/IF and digital tuning IC for computer-controlled radio
TEA6310T	Sound fader control and preamplifier/source selector for car radio
TSA5511/12/14	Sound fader control with tone and volume control for car radio
TSA6057	PLL frequency synthesizer for TV
Telecom	PLL frequency synthesizer for radio
NE5750/51	Audio processor pair
PCD3311/12	Tone generator (DTMF/modem/musical)
PCD3341	Advanced 10 to 110-number repertory dialer with LCD control
PCD3343	Microcontroller with 224-byte RAM/3k ROM
PCD3348	Microcontroller with 256-byte RAM/8k ROM
UMA1000T	Data processor for mobile telephones
UMA1014T	1GHz frequency synthesizer for mobile telephones
UMF1009	Frequency synthesizer

* Also available with extended temperature ranges.

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